

UNIVERSITY OF TORONTO  
DIVISION OF UNIVERSITY EXTENSION  
GENERAL COURSE IN SCIENCE  
(EXTENSION)  
1965-66



### **NOTE**

The downtown campus of the University of Toronto has been named the  
St. George Campus

to distinguish it from the new campuses at Scarborough and Erindale.  
All courses in the General Course in Science (Extension) are taught on  
the St. George Campus.

### **IMPORTANT NOTICE**

- (1) Fees and other charges set forth in this Calendar are subject to change by the Board of Governors without notice.
- (2) The Council of the Faculty of Arts and Science reserves the right to withdraw any course or subject listed in this Calendar.
- (3) The possession of the minimum admission requirements does not in itself guarantee admission to the General Course in Science (Extension).



UNIVERSITY OF TORONTO

*Division of*

UNIVERSITY EXTENSION

GENERAL COURSE IN SCIENCE

*(Extension)*

Leading to the Degree of Bachelor of Science in the Faculty of Arts and Science. Only the First Year of the General Course in Science is offered by Extension.

1965-66

Winter Session begins September 20, 1965

## ADMINISTRATIVE STAFF

1964-1965

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*Principal of Scarborough College and Vice-President for*  
*Scarborough and Erindale Colleges* . D. C. Williams, M.A., Ph.D.  
*Executive Assistant to the President* . . . J. H. Sword, M.A.  
*Presidential Advisor on Research*  
*Policy* . . . G. de B. Robinson, M.B.E., B.A., Ph.D., F.R.S.C.

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*Chief Librarian* . . . R. H. Blackburn, M.A., B.L.S., M.S.  
*Director of University Extension* . . . G. H. Boyes, M.A.

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*Comptroller* . . . G. L. Court, D.F.C., M.Com., C.A.  
*Secretary of the Board of Governors* . . . D. S. Claringbold  
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*Chief Accountant* . . . D. J. Reid

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*Director of Information* . . . K. S. Edey  
*Director of Development* . . . R. J. Albrant  
*Director of Graduate Records* . . . C. G. M. Grier, E.D., M.A.

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*Warden of Hart House* . . . J. McCulley, M.A.  
*Director of University Health Service*

G. E. Wodehouse, M.C., M.D., F.R.C.P.

*Assistant Director of University Health Service*

—Women . . . Miss F. H. Stewart, B.A., M.D.

*Director of the Placement and Housing*

*Services* . . . J. K. Bradford, O.B.E., M.A.Sc.

*Director of Athletics and Physical Education—Men* . W. A. Stevens, B.S.

*Director of Athletics and Physical Education—Women* . Miss Z. Slack, B.A.

*Administrator, Students' Administrative Council* . R. S. Rawlings, B.A.

*Director of Hart House Theatre* . . . R. S. Gill, M.A.

### FACULTY OF ARTS AND SCIENCE

*Dean Emeritus* . . . S. Beatty, M.A., Ph.D., LL.D., F.R.S.C.

*Dean* . . . V. W. Bladen, M.A., LL.D., F.R.S.C.

*Deputy Dean* . . . R. F. McRae, M.A., Ph.D.

*Associate Dean* . . . A. D. Allen, B.Sc., Ph.D.

*Associate Dean* . . . D. R. Campbell, D.F.C., M.A.

*Assistant Dean and Secretary* . . . W. D. Foulds, B.A.

*Assistant Secretary* . . . J. M. Mills, B.A.

*Assistant Secretary* . . . R. B. Oglesby, C.D., M.A.

*Assistant* . . . G. B. Miller

## GENERAL COURSE IN SCIENCE (EXTENSION)

<i>Assistant Director</i> . . . . .	D. N. Ellis, C.D., B.A.
<i>Assistant</i> . . . . .	Mrs. Anita H. Shearer, B.A.
<i>Assistant</i> . . . . .	W. A. O'Leary, B.A.
<i>Student Activities (Summer)</i> . . . . .	Mrs. Dorothy M. Deane, B.A.
<i>Registration</i> . . . . .	Mrs. M. J. Scott, B.A.
<i>Director of Extension, Scarborough College</i>	D. L. C. Miller, M.A., Ph.D.

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Phone: 928-2405; 928-2406; (9.00 a.m.-5.00 p.m.)	
928-2394; (Evenings 5.00 p.m.-8.30 p.m. after Sept. 30)	



## CALENDAR 1965-66

### WINTER SESSION

August 15	Last day for new students of the General Course in Science (Extension) and all Special Students in evening classes to apply for admission to the General Course in Science (Extension). (For Winter Session 1965-66 only, applications for admission will be considered as late as September 10.)
September 10	Last day for acceptance of registration forms without penalty.
September 15	Last day for acceptance of registration forms with \$10 penalty fee.
September 20	First Term begins.
September 30	Last day for acceptance of registration forms with \$20 penalty fee. After September 30, registration for Winter Session 1965-66 will not be permitted.
October 11	Thanksgiving Day (Lectures cancelled).
October 15	Last day for change of course (see page 20).
November 30	Last day for students with supplemental privileges to apply to write the annual examinations (see page 16).
December 17	Last day of classes (First Term).
January 3	Second Term begins.
February 15	Last day for withdrawal from Winter Session without academic penalty.
February 14-20	Reading Week (all lectures cancelled).
April 7	Last day of classes.
April 8	Good Friday.
April 18	Annual (Spring) Examinations begin.
May 30-June 10	Convocations.
August 15	August Examinations begin.

**Information regarding dates of specific examinations cannot be given by telephone.**

## GENERAL INFORMATION—ADMISSION AND REGISTRATION

The General Course in Science has been established to provide a basic education in the natural sciences. It is designed to fill the needs of students who wish to pursue an integrated course in the sciences rather than an intensive course in a particular branch of science. The degree awarded is Bachelor of Science.

Beginning in September 1965, the First Year of studies leading to the Degree of Bachelor of Science in the Faculty of Arts and Science will be offered through the Division of University Extension.

Anyone who is unable to attend the University in the usual way may apply for admission to the First Year of the General Course in Science (Extension). Applicants must possess the admission requirements listed below.

### *Types of Student*

- (1) **REGULAR STUDENTS**—those who wish to enrol in the First Year of the General Course in Science (Extension) with the ultimate purpose of proceeding to the degree of Bachelor of Science. They must possess the indicated admission requirements, unless they are admissible as Mature Students (see page 7).  
*Only the first year of the General Course in Science is available through part-time study at present. Students wishing to proceed to the degree may, therefore, find it necessary to enrol as full-time students for the second and third years.*
- (2) **SPECIAL STUDENTS**—those who are not proceeding to the Bachelor of Science degree at the University of Toronto. They may receive credit elsewhere, or may wish to study merely for interest. They must possess the same admission requirements as regular students or provide *written evidence* that they are enrolled in another Ontario university. They must apply for admission to each session in which they intend to enrol.

## ADMISSION REQUIREMENTS

A candidate for admission to the first year of the General Course in Science (Extension) must present the Ontario Grade XIII certificate, or equivalent, with an average of at least 60% in the following nine papers: English\*, Mathematics (3 papers), a language\* other than English, Science (two of Botany, Chemistry, Physics, Zoology).

\*In June 1965 the Grade XIII examination in English, French, German, Greek, Italian, Russian, Spanish and Latin will consist of a single paper. For purposes of meeting the nine papers in the admission requirements, this examination will carry the weight of two papers in each of the subjects listed. The single mark will have the weight of two marks in determining the over-all mark.

Applicants for admission should regard holding the published admission requirements as meaning only that they are eligible for selection to the university. Under the University's admission practices, the school record of the applicant, the report of the Principal and other tests of the student's ability, including SATO scores, are considered. The length of time taken and number of sittings at examinations to obtain the admission requirements also are taken into account.

### *Equivalent Certificates*

The following certificates are usually accepted as equivalent to Ontario Grade XIII although individual subjects cannot always be equated. Standing as outlined above is required on the following certificates:

#### *Canada—*

Alberta, Manitoba, Nova Scotia, Saskatchewan—Grade XII  
British Columbia, New Brunswick—Senior Matriculation  
Newfoundland—First Year Memorial University  
Prince Edward Island—Third Year Certificate of Prince of Wales College  
Quebec—Senior High School Leaving Certificate; McGill Senior School Certificate; English Catholic Senior High School Leaving Certificate (5th year High—Grade XII). Other certificates will be considered.

Specific details on the standing required from applicants who have not been educated in Ontario will be supplied by the Office of Admissions, Simcoe Hall, on request. For candidates educated outside Canada, the following certificates are required.

#### *England, West Indies, East and West Africa—*

- (i) General Certificate of Education showing either:
  - (a) Passes in five subjects of which at least two must be passed at advanced level; or
  - (b) Passes in four subjects of which at least three must be passed at advanced level, or
- (ii) School and Higher School Certificates, which are equated to the General Certificates of Education, are accepted on the following basis: Credits on the School Certificate are accepted as ordinary level passes on the General Certificate of Education; subsidiary passes on the Higher School Certificate as ordinary level passes on the General Certificate of Education; and principal or main subject passes on the Higher School Certificate as advanced level passes on the General Certificate of Education.

#### *Hong Kong—*

- (i) General Certificate of Education or School and Higher School Certificates as stated above; or
- (ii) University of Hong Kong Matriculation Certificate accepted on same basis as General Certificate of Education.

#### *United States of America—*

First Year University standing (a minimum of 30 semester hours) in the required subjects from accredited institutions of higher learning. A. U.S. High School Graduation Diploma will not normally admit a candidate to any course. Advanced placementwork will, however, be considered.

Candidates seeking admission on the basis of certificates which are in a language other than English must submit photostatic copies of their certificates, rather than the original copies. Notarized English translations of the certificates must accompany the photostatic copies. When the certificates do not indicate the subjects studied and



the grades secured in the individual subjects in the final year, candidates are required to submit certified statements from authorized officials of the institutions attended, or submit statutory declarations giving the required information.

### **English Facility Requirements**

All applicants are required to submit evidence acceptable to the University of Toronto of facility in English. The following evidence is acceptable:

- (a) The University of Michigan English Language Test. This test is available at the University of Toronto for residents of the Toronto area. Enquiries about writing the test in Toronto should be addressed to the Admissions Department, Office of the Registrar, Simcoe Hall, University of Toronto.
- (b) The Certificate of Proficiency in English issued by the Universities of Cambridge or Michigan.

Information about writing the tests in (a) or (b) above in overseas centres may be obtained from the Admissions Department, Office of the Registrar, Simcoe Hall, University of Toronto.

The University is prepared to consider other evidence of English facility which may be submitted for evaluation to the Registrar of the University.

### **Mature Students**

#### *Admission Regulations*

Candidates of mature age (30 years or older on October 1, 1965) who have lived in Ontario for a minimum period of one year, and are normally resident in Ontario may request special consideration if they have not completed in full the published Grade XIII (or equivalent) requirements. Such applicants must submit a birth certificate at the time of application.

#### *Probationary Status*

Candidates accepted by the Senate's Committee on Admissions as mature students are admitted on probation.

A mature student, registered in the General Course in Science (Extension), who does not meet in full the published admission requirements, and who has been admitted as a mature student on probation, must obtain standing on the initial attempt in at least five of his first six subjects in order to have his probationary status removed. If the student fails more than one of his first six subjects, he will not be allowed to re-enrol in the General Course in Science (Extension) or to enrol in any other course in the University of Toronto, until he presents in full the published admission requirements.

#### **NOTE:**

*A student on probation who fails to obtain standing in one subject and subsequently successfully passes the supplemental examination in that subject is nonetheless considered to have once failed to obtain standing.*

### **Admission with Advanced Standing**

Candidates seeking admission to the General Course in Science (Extension) with advanced standing must send to the Admissions Department, Office of the Registrar,

Simcoe Hall, prior to August 15 a completed Form of Application for Admission together with the documents outlined in Procedure for Admission to the General Course in Science (Extension), paras 1a and 1b (see page 9).

### **Admission Regulations concerning Candidates who have previously failed in University work**

- (a) A candidate who on one occasion has failed to secure the right to advance to a higher year at the University of Toronto or at any other institution of higher learning, may be eligible for selection to the University of Toronto subject to warning that he may be required to withdraw from the Faculty and possibly be debarred from the University if he fails at the first attempt more than one subject of any year.
- (b) A student who on two occasions has failed to secure the right to advance to a higher year at the University of Toronto will normally be refused readmission to the faculty and may be debarred from registration in any division of the University of Toronto. Candidates with two such failures at other institutions will normally be refused admission.

(N.B. See Penalties for Unsatisfactory Work on pages 17, 18.)

### **Transfers within the Faculty of Arts and Science, University of Toronto**

A candidate who obtains standing in the First Year of the General Course in Science (Extension) may transfer to the Second Year of the General Course in Science, regular session. The student must complete a transfer form and have it signed by the Director, Division of University Extension. Such students are reminded that student loans are available to full-time students. Inquiries regarding student loans should be directed to the college registrar.

Students who are registered in the General Course (Extension) and who wish to transfer to the General Course in Science (Extension) should complete a transfer form at the Office of the Assistant Director, General Course in Science (Extension), Division of University Extension.

For other transfer possibilities see the calendar of the Faculty of Arts and Science.

### **Transfers from other Faculties or Schools, University of Toronto**

A student registered in another faculty or school in this University will be treated as a new admission. He must submit a completed application form to the Office of Admissions, Simcoe Hall, together with transcripts of record certified by the faculty or school concerned, but need not resubmit Grade XIII certificates.

### **PROCEDURE FOR ADMISSION TO THE GENERAL COURSE IN SCIENCE (EXTENSION)**

- (1) **REGULAR STUDENTS**—Students seeking admission to the General Course in Science (Extension) may obtain application forms from: Admissions Department, Office of the Registrar, Simcoe Hall, University of Toronto, Toronto 5, or from the Division of University Extension, University of Toronto, 84 Queen's Park, Toronto 5. Do not confuse the admission procedure with registering for classes.

The completed forms together with the required documents should be submitted as early as possible and must be presented not later than August 15. Incomplete forms may delay decisions on Admissions. (For Winter Session 1965-66 only, Applications for Admission will be considered as late as September 10)

Documents to be sent with the application are:

- (a) Ontario Grade XIII certificate (or an equivalent certificate indicating the subjects studied and the grades obtained).
- (b) Official Transcripts issued by the University or College previously attended, giving in detail the courses completed, with the standing and grades obtained in each. Transcripts or a supporting letter from the Registrar of the University or College must indicate that the candidate has been granted honorable dismissal.
- (c) Official Statements or calendars giving full information on the content of the university courses covered by the transcripts submitted.
- (d) Birth certificates must be submitted by students seeking admission under the mature student regulation.

Candidates who are not certain that they meet the published admission requirements should communicate with the Admissions Department, Office of the Registrar, Simcoe Hall, giving full details regarding their academic standing, before submitting formal applications.

Each candidate for admission will be notified of the University's decision as early as possible and should await this decision before registering for classes. Registration forms are mailed to candidates with letters of admission. Candidates who fail to register for the General Course in Science (Extension) in the session to which they were admitted or who withdraw from the course before standing in at least one course has been established must re-apply for admission to any subsequent session.

- (2) SPECIAL STUDENTS—those not proceeding to a degree in the General Course in Science (Extension) *must apply for admission to each session in which they wish to enrol.* Application forms may be obtained from the Division of University Extension, University of Toronto. The completed forms together with the applicable documents as shown in the preceding section should be sent to the Secretary, Faculty of Arts and Science, University of Toronto, Toronto 5. (An undergraduate student from another Ontario university *must* substitute for the above certificates, a letter from the authorities of his own university approving his enrolment in this course.) Applications for admission must be submitted not later than August 15, 1965 for the Winter Session 1965-66. (For Winter Session 1965-66 only, Applications for Admission as Special Students will be considered as late as September 10, 1965).

*As soon as the student has been officially notified of his acceptance as a Special Student he should register for classes (see Procedure for Registration).*

N.B. Registration forms for Special Students are supplied by the Faculty of Arts and Science only to students who have applied for admission on time and who have been accepted.

## PROCEDURE FOR REGISTRATION

Special Students and new Regular Students must be admitted to the University before they may register for courses. The admission procedure is complete only upon a candidate's receipt of a letter of admission bearing his student number.

Students are advised to register by September 1 so that they can receive their Admit-to-Lectures Cards before lectures begin, but they may register until September 10 without penalty. A penalty fee of \$10 will be charged for registration forms received from September 11 to September 15 inclusive. A penalty fee of \$20 will be charged for registration forms received from September 16 to September 30 inclusive. Registration forms will not be accepted after September 30.

**FEES:** To be valid each registration form **MUST** be accompanied by a cheque for fees in full. Cheques should be made payable to the "University of Toronto," at par, Toronto. Post-dated cheques will not be accepted. Please do not send cash by mail.

**REGISTRATION FORMS:** Special instructions are given below for both Regular and Special Students but all students must be very careful to list both the subject wanted and the prescription number of the course (e.g. English 110, Physics 110). It is the responsibility of the student to ensure that courses taken will be acceptable to the accrediting body concerned.

Completed registration forms with fees in full should be sent to the Chief Accountant, University of Toronto, in time to reach his office by the required date. (See above).

*NEW REGULAR STUDENTS will receive a Registration Form for Regular Students with their letters of admission. These should be filled in according to instructions and returned to the Chief Accountant, by the appointed dates with fees in full, as instructed above.*

*RETURNING REGULAR STUDENTS will normally receive by mail a Registration Form for Regular Students and the calendar by August 15 each year. Those who do not receive such forms should request them from the Division of University Extension. The registration form should be filled in according to instructions and returned to the Chief Accountant by the appointed date with fees in full.*

N.B. Returning Regular Students should not await examination results before registering for the succeeding Session.

*SPECIAL STUDENTS will receive the Registration Form for Special Students with their letters of admission. They should complete and return it with fees in full to the Chief Accountant, as instructed above.*

**EXAMINATIONS**—See pages 16–17 regarding revised application procedures.

**ADMIT-TO-LECTURES CARDS** will be issued promptly for the courses selected, but it is the responsibility of each student to choose courses that comply with published regulations. Students must be prepared to present admit-to-lectures cards when attending lectures, borrowing books from the Library, or writing examinations.



Since students are no longer required to submit applications for examination in the subject(s) in which they are enrolled it is of utmost importance that every detail of the Admit-to-Lectures Card be correct. Discrepancies, if any, should be reported promptly and the card returned for correction.

Changes of address must be reported immediately.

### REQUIREMENTS FOR THE DEGREE

At present only First Year courses are available by part-time study through Extension.

A candidate may not enrol in more than two courses in any one session.

FIRST YEAR	Botany 110 Chemistry 110 English 110	Mathematics 110 Physics 110 Zoology 110
SECOND YEAR	<i>Two of</i> Astronomy 210* or Psychology 210 Botany 210 Chemistry 214 or Physics 211 Mathematics 210 Mathematics 211† Zoology 210 Zoology 211 Chemistry 211 Philosophy 210 or 211 Physics 210	
THIRD YEAR	<i>One of</i> Greek and Roman History 310 History 310 Literature 310  <i>Three of</i> Applied Mathematics 310 Botany 310 Botany 311 Chemistry 314 Chemistry 317 Mathematics 310 Geology 100 or a science option not chosen in Second Year. Biology 310	
		Mathematics 311 Physics 310 Statistics 310 Zoology 310 Zoology 311‡

\*Astronomy 210 must be taken by students wishing to qualify for endorsement in Physics.

†Students enrolled in Mathematics 211 must also be enrolled in Mathematics 210.

‡May be taken only by students taking Zoology 310.

1. A candidate who enrolls in Chemistry 110 or Physics 110 must have obtained standing in Mathematics 110 or enrol in it concurrently.
2. A candidate who enrolls in Zoology 110 must have obtained standing in Chemistry 110 and Physics 110. If he has standing in either Chemistry 110 or Physics 110 he may take the second course concurrently with Zoology 110.



## ONE-HOUR OPTION

In each year of the full-time course a one-hour option must be taken. The following are the options which may be required of the student before he completes the degree.

FIRST YEAR	English 116	Music 116
	French 116	Philosophy 116
	Geology 116	Sociology 116
SECOND YEAR	Astronomy 216	Fine Art 216
	Economics 216	French 216
	English 216	Music 216
THIRD YEAR	Economics 316	Greek and Roman History 316
	English 316	Music 316
	Fine Art 316	Philosophy 316 or 317
	French 316	

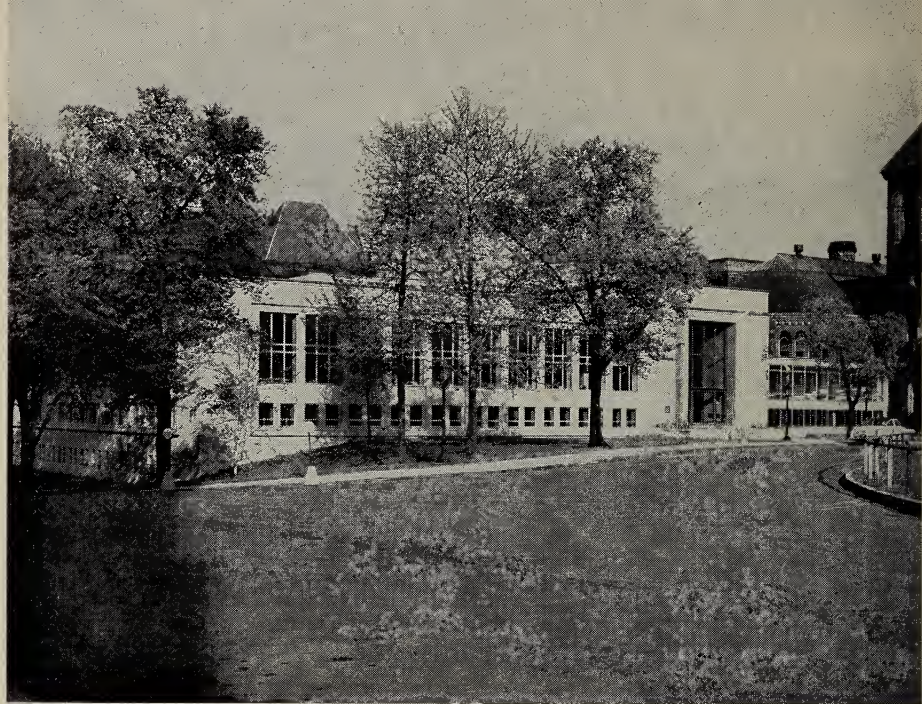


the administrative centre of University Extension



*Sidney Smith Hall*  
centre for Winter Session classes





*The University Library*



*The McLennan Laboratories*

## TERM MARKS AND EXAMINATIONS

1. A candidate will not be allowed to present himself for examination in any subject until he has attended classes in the subject during one session and obtained a term mark.
2. All term assignments must be submitted before the beginning of the examinations.
3. For all courses in Botany, Chemistry, English, Physics, Zoology and in Mathematics 110 the ratio of term to examination marks is 100 to 100. In all other courses in Mathematics and in all other subjects the ratio is 50 to 100.
4. In order to receive credit in a General Course in Science subject, a candidate must obtain at an annual examination at least 50% of the examination marks as well as 50% of the aggregate of the term and examination marks in that subject. For a laboratory subject a term mark of at least 50% must be obtained.
5. When a candidate, because of a deficiency in his term mark, fails a General Course in Science subject, he must either (1) make up the deficiency in his term mark by obtaining the necessary increase in his examination marks in August of the same year or (2) earn a new term mark by enrolment in a subsequent session and repeat the examination. If a passing term mark has not been obtained in a laboratory subject it is necessary to re-enrol in it and earn a new term mark.
6. A student who does not write the final examination at the end of any session or who withdraws from a course after February 15, except for medical or similar reasons for which proof must be submitted, will be considered to have failed to obtain standing in the course.
7. Petitions for consideration with regard to the Annual (Spring) or August examinations on account of sickness, domestic affliction or other causes, must be filed with the Director, Division of University Extension, on or before *the last day of the examinations* together with a doctor's certificate which includes a statement that the candidate was examined at the time of the illness, or other evidence.

Aegrotat standing may be granted only once and is seldom granted at the Spring examinations, unless the student is also prevented by illness from writing in August, or requires such standing to complete his degree. In order to qualify for aegrotat consideration a student must have a passing term mark and a satisfactory medical certificate.
8. A student who fails a subject should consult the Department concerned with respect to the content of that subject before rewriting the examination.
9. No special examination will be set in any subject because of change in its content.



10. Students will be refused the privilege of going over their examination papers with the examiners concerned. However, students may petition to have their examination marks re-checked on the payment of a fee of \$5 per subject. This fee will be refunded if an error in reporting the mark is detected.
11. Students may rewrite one or more subjects in which they have standing in order to obtain a higher grade in those subjects, provided that they do so on only one occasion and within five years of the first examination in them.

### **Procedure for Examinations**

12. The Annual Spring Examinations in the Faculty of Arts and Science will begin on April 18, 1966, and continue for approximately three weeks. The August supplemental and Summer Session examinations will begin on August 15, 1966.
13. Applications for examination are not required for the final examination in subjects in which a student is registered and is attending lectures.
14. An application for examination form must be submitted by students in the categories listed below:
  - (a) Students who have been granted supplemental examination privileges.
  - (b) Students who were unable to write at the annual examination period, but who have been granted exemption from the academic penalty and are permitted to write at a subsequent examination period.
  - (c) Students who wish to write at outside centres. (See page 17.)
  - (d) Students who wish to re-write a subject in which they have previously obtained standing for the purpose of upgrading their final mark. (See para. 11 above.)
16. Where applications for examination are required they must be submitted by:
  - (i) November 30 for the following Annual Examinations.
  - (ii) July 10 for the following August Examinations.

*NOTE:* A penalty fee of \$1 per day to a maximum of \$20 will be charged on all applications for examination received after November 30 for the following Annual Examinations and July 10 for the following August Examinations. Applications for examination submitted more than 20 days past the due date will be accepted only in exceptional circumstances.

Students to whom sections (a) and (b) above apply will normally receive application forms from the Secretary, Faculty of Arts and Science when granted the privilege to write. Students in categories (c) and (d) must request that an application form be sent to them.



Failure to receive the application form in the mail does not absolve a student of the responsibility for submitting an application for examination by the due date. Additional application forms may be obtained from the Division of University Extension.

17. Examinations are conducted by the Faculty of Arts and Science. EXAMINATION NUMBERS under which candidates write will be mailed to students prior to the first examination. It is, therefore, extremely important that students notify the Division of University Extension of any change of address during the year. Students are required to show their admit-to-lectures cards when writing examinations.
18. The annual examinations are held at the University and at the following centres: Banff, Calgary, Charlottetown, Edmonton, Fredericton, Halifax, Kapuskasing, Kenora, Kingston, Kirkland Lake, London (Ont.), London (Eng.), Montreal, North Bay, Ottawa, Port Arthur, Quebec, Regina, St. John's (Nfld.), Saskatoon, Sault Ste. Marie, Vancouver, Whitehorse (Yukon), Windsor, Winnipeg.

Normally only students who have supplemental privileges and who are *not in attendance* in the session for which the examinations are written, will be permitted to write at an outside centre. Application to write at an outside centre must be made not later than the preceding November 30 for the Annual Examinations and not later than the preceding July 10 for the August Examinations. The application must be accompanied by the outside centre fee of \$10 for one subject and \$5 for each additional subject in addition to supplemental examination fees.

19. A provisional TIME-TABLE will be posted in buildings on the campus approximately three weeks prior to the Annual Examinations to permit students to report clashes. The final time-table will be posted in buildings on the campus about a week later. Copies of the time-table will not be mailed to students and information regarding dates of specific examinations cannot be given by telephone. RESULTS of examinations will be mailed to each candidate.

#### PENALTIES FOR UNSATISFACTORY WORK

Regulations of the University concerning penalties for unsatisfactory work are as follows: (descriptive terms are shown in brackets)

- (a) In cases of unsatisfactory work of a very serious nature, the Faculty Council may recommend to the Senate that a student be debarred from the University. (Debarred.)
- (b) The Faculty Council will refuse to re-admit to the Faculty any student whose work is unsatisfactory. (See pages 15-16.) (Refused re-admission to the Faculty.)

- (c) The Faculty Council may suspend from attendance in the course for a given period of time not exceeding two years a candidate who fails to obtain standing in two First Year subjects. (Suspended from attendance in the Faculty.)
- (d) Any student who withdraws after February 15 of the Winter Session, or who does not withdraw but does not write the final examinations, without valid reason such as illness, will be regarded for the purposes of these regulations as having failed the subjects for which he enrolled.

## **Appeals**

A student wishing to appeal to the Senate against a decision of the Faculty Council should consult the Director of the Division of University Extension about the preparation and submission of his petition to the Secretary of the Senate.

## FEES

Registration and Fees forms, together with cheque for **fees in full**, payable to the University of Toronto at par, Toronto, should be mailed to the Chief Accountant, University of Toronto. **Do not send cash.**

Students are held financially responsible for the full fee of all courses in which they enrol unless they notify the Director, Division of University Extension, in writing within four weeks of the date of withdrawal.

ACADEMIC FEE, each subject . . . . . \$95.00

### PENALTY FEES:

For registration from September 11 to September 15 inclusive . .	10.00
For registration from September 16 to September 30 inclusive . .	20.00
For late examination application . . a fee of \$1 per day to a maximum of \$20.	

EQUIVALENT CERTIFICATE FEE (payable by students who submit non-Ontario certificates to cover admission requirements) . . . 5.00

FOR GRANTING ACADEMIC CREDIT in the General Course in Science (Extension) for work done at another University . one or two subjects	5.00
three or more subjects	10.00

SUPPLEMENTAL EXAMINATION FEE . . for rewriting one subject	10.00
each additional subject	5.00

FEE (per subject) to re-check examination results. (This fee will be refunded if an error in reporting the mark is detected.) . . .	5.00
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FEE FOR TRANSCRIPT OF RECORD . . . . .	1.00
for each additional copy ordered at the same time . . . . .	0.25

### *Refunds*

Refunds are calculated from the date on which the student notifies the Director of the Division of University Extension **IN WRITING** that he has withdrawn from a course or courses. Merely ceasing to attend classes or informing the instructor does not constitute official withdrawal.

Students must return admit-to-lectures cards for revision or cancellation before a refund of fees will be recommended.

*N.B.*—Students who do not write the annual examination or who withdraw from a course after February 15, except for medical or similar reasons, for which proof must be submitted, will be considered for purposes of re-enrolment to have failed to obtain standing in the course.

### *\*Transcripts of Records*

A student who requires proof that he has obtained standing in one or more courses in the General Course in Science (Extension) should apply to the Secretary, Faculty

of Arts and Science, for an official transcript of his record. The fee is \$1 for the first copy and 25¢ for each additional copy ordered at the same time. Standard request forms may be obtained from the Secretary, Faculty of Arts & Science, or from the Director, Division of University Extension.

### SUBJECT CHANGES

Changes of course and of subject, which are in accordance with the calendar regulations, will be dealt with as follows:

1. From the beginning of the session to October 15 granted, if approved by the Director, Division of University Extension.
2. October 15 to November 1, granted if approved by the head of the department concerned.
3. After November 1, granted only in exceptional circumstances. Students must apply to the Director in writing for such changes and return the admit-to-lectures card for alteration.

### RECREATION AND ATHLETIC PRIVILEGES

Women students proceeding to the degree in the General Course in Science (Extension) may take out membership in the activities of the Benson Building (Women's Athletic Building) at a cost of \$15. Apply at the office of the Benson Building.

Men students may join Hart House as special undergraduate members at a fee of \$20. This entitles them to join the Glee Club, Camera Club, art classes and many other special interest groups. Apply for membership at the Graduate Office on the main floor.

A limited number of Athletic Memberships are available on application at the Athletic Office at an additional fee of \$15 for the academic session.

## COUNSELLING HOURS—1965-66

### ALL STUDENTS

August 11, 19 . . . . . 3:00-7:30 p.m.

August 17, 18, 20, 24, 26 . . . . . 2:00-4:30 p.m.

### RETURNING STUDENTS ONLY

September 2, 7 . . . . . 3:00-7:30 p.m.

September 8, 9, 14, 16 . . . . . 2:00-4:30 p.m.

Counselling by appointment at all other times.

## COURSES OF INSTRUCTION

Courses are not offered every year and this should be taken into consideration by students in planning their programme. For courses offered during the forthcoming Winter Session and the subsequent three years please see the timetable and four-year programme in this Calendar.

The responsibility for selection of courses rests with each student but counsel may be obtained from the Division of University Extension staff as noted above or by appointment.

### BOTANY

110. *Elementary Botany*. A lecture and laboratory course on the evolution, development, structure, physiology and reproduction of plants with emphasis on cellular functions including respiration, photosynthesis, cell division and the mechanism of heredity.

### CHEMISTRY

110. *General Chemistry* for students in the General Course in Science. Introduction to inorganic and physical chemistry. Prerequisite: Mathematics 110 or may be taken concurrently with Mathematics 110.

### ENGLISH

110. *English Literature*. SHAKESPEARE, *King Lear*; MILLER, *Death of a Salesman*; MELVILLE, *Moby Dick*; GOLDING, *Lord of the Flies*; a novel and play to be announced; MILTON, *Paradise Lost*, with emphasis on Books I, IV, IX; *Modern Poetry* (ed. Mack, Dean and Frost); HARRIS and MCDUGALL, *The Undergraduate Essay*. No Prerequisite.

### MATHEMATICS

110. *Calculus*. Derivatives, anti-derivatives and definite integrals, with applications. Prerequisite for Mathematics 210.

### PHYSICS

110. *Mechanics*, heat, properties of matter, and wave motion. Prerequisite: Mathematics 110 or may be taken concurrently with Mathematics 110.



## ZOOLOGY

110. *Modern Zoology and the Nature of Life.* A lecture and laboratory course on the molecular basis of life and the integration of form and function. The many disciplines of this science are stressed. The laboratory gives an insight into the experimental method, using living organisms where possible. Prerequisites: Physics 110 and Chemistry 110.

### FOUR-YEAR PROGRAMME

(All courses are given on the St. George Campus)

WINTER SESSION 1965-66	WINTER SESSION 1966-67	WINTER SESSION 1967-68	WINTER SESSION 1968-69
English 110	Chemistry 110	English 110	Botany 110
Mathematics 110	English 110	Mathematics 110	Chemistry 110
Physics 110	Mathematics 110	Physics 110	English 110
		Zoology 110	Mathematics 110

### TIMETABLE

WINTER SESSION 1965-66

Classes begin September 20, 1965

SUBJECT	DAY	HOUR	BUILDING	ROOM
English 110	Tuesday	7:30-9:30	S.S.H.	1087
Mathematics 110	Thursday	7:30-9:30	S.S.H.	2125
Physics 110	Monday	5:45-7:15	McLennan Lab.	132
		7:30-9:30		

S.S.H.—Sidney Smith Hall, 100 St. George Street.

McLennan Laboratory—King's College Road.

### BOOKS AND LIBRARY

TEXT-BOOKS should be owned by the student. They can be purchased at the University of Toronto Bookstore, which for at least five weeks beginning September 20 will be open during the following hours:

Monday to Thursday—8:30 a.m. to 5:30 p.m. and 6:30 p.m. to 9:00 p.m.; Friday—8:30 a.m. to 5:30 p.m.; Saturday, September 25 and Saturday, October 2—9:30 a.m. to 12:30 p.m.

LIBRARY BOOKS may be borrowed as follows:

- (1) In the University Library there is a special collection of books for students registered in the General Course in Science (Extension). These may be borrowed on a one week loan basis. Apply in the Wallace Room or at the Science Desk. For other library materials General Course in Science (Extension) students have the same borrowing privileges as other undergraduates. Please consult the

Student's Guide to the University Library, 1965 which is available to students on request.

- (2) Students in the Metropolitan Toronto area are reminded that the Public Libraries may have copies of recommended books.
- (3) Teachers living outside Metropolitan Toronto have access to books in THE LEGISLATIVE LIBRARY, PARLIAMENT BUILDINGS, QUEEN'S PARK. This library will supply application forms, on request.

## UNIVERSITY EXTENSION PROGRAMMES

The Division of University Extension offers many other courses, institutes and public lectures. Readers of this Calendar are invited to ask about . . .

### GENERAL COURSE (Extension)

Courses leading to the Bachelor of Arts Degree of the University of Toronto.

### DEGREE COURSE FOR GRADUATES OF DIPLOMA SCHOOL OF NURSING

(Extension)

The first year of courses leading to the Bachelor of Science in Nursing Degree of the University of Toronto.

### CERTIFICATE COURSE IN BUSINESS

Providing instruction in the basic principles of modern business, this course is designed for mature men and women in Business, Industry, and in the Civil Services who are in, or working toward, positions of responsibility. One or two of six subjects may be undertaken each year. Six are required for graduation.

### CERTIFICATE COURSE IN PUBLIC ADMINISTRATION

Intended primarily for those with considerable experience in the public service who wish to acquire a broader background in the political and social sciences essential to an understanding of the executive branch of government and its functions. It is not intended as preparation for those planning to enter public service. Emphasis is on Canadian governments at all levels (federal, provincial and municipal), and their major problem areas.

### EVENING AND AFTERNOON COURSES IN THE LIBERAL ARTS

Non-credit courses are available for adults in the Metropolitan area of Toronto and the surrounding districts. Courses offered are: Among the Stars, Anthropology, Art Appreciation, Art of Speech, Canadian History, Communication and Diction, Effective Speaking, English Composition, Films-Novels-Poetry-Plays, Mastering Good English, English Literature, Exercises for Health, French, French for Businessmen, Geography, German, Heritage for the Future, Interior Design, International Affairs, Italian, Journalism, Law and the Layman, Law and Woman, Logic, Magazine Writing, Metropolitan Community, Modern Study of the Bible, Music Appreciation, Natural Science, Psychology, Psychology and Modern Art, Public Speaking Techniques, Religion, Sociology, Spanish, Royal Ontario Museum Courses and Sing in Harmony.

## THE FRENCH SUMMER SCHOOL—SAINT PIERRE ET MIQUELON

Saint Pierre et Miquelon offers non-credit and advanced oral French, as well as courses which are accepted for University credit. Its purpose is to develop the student's ability to speak French and widen his experience of French life and culture through the daily, natural use of the language. Saint-Pierre offers an exceptional opportunity for the student to put into immediate practice what he has just learned in the classroom. In this sense French becomes truly a living language. For the student who cannot go to France this summer, Saint-Pierre et Miquelon offers at a fraction of the cost the next best opportunity to experience a memorable and profitable holiday on French soil. Classes are held each morning of the week, except Saturdays and Sundays, in Le College St. Christophe on the Island of Saint-Pierre.

## BUSINESS AND PROFESSIONAL COURSES

These courses are designed to meet the educational needs of supervisory, executive and professional personnel. In general, these courses are non-credit, and in many cases there are no academic requirements for enrolment. Optional examinations are offered in some subjects.

## CORRESPONDENCE COURSES

Conducted for the Association of Administrative Assistants, the Canadian Credit Institute, the Canadian Institute of Realtors, the Canadian Institute of Traffic and Transportation, the Chartered Institute of Secretaries, the Association of Professional Engineers, the Chemical Institute of Canada, the Ontario Association of School Business Officials, and the International Association of Personnel in Employment Security.

## THE SUMMER SCHOOL OF THE THEATRE

This offers a five weeks' course of study for those interested in the professional theatre, the community theatre or in the teaching of drama in the schools. Students will undertake intensive work in all phases of the theatre. Thirty hours of each week will be devoted to formal instruction and additional time will be spent on scene rehearsals. Course subjects will include: Acting Technique, Scene Preparation, Voice and Speech, Directing, Dramatic Literature, Make-up, Stage Craft.

## TYPE A CERTIFICATION

Special courses are offered each session for teachers seeking Endorsement or Type A qualifications. Special Students who are not graduates in Arts and Science, of the University of Toronto, and who apply for Type A courses, must present evidence of having a university degree, and the prerequisites for the course chosen.

## AN ORAL ENGLISH COURSE

This is for students who are *attending Canadian universities* whose native language is not English. *It is given during the Summer Session.* The aim of the course is to give the student oral proficiency in the English language, through intensive instruction and drill. It is not a course for beginners and all applicants must show facility in English.

## EDUCATIONAL TELEVISION

The University co-operates with the Metropolitan Educational Television Association of Toronto (META) through the Division of University Extension by the presentation and production of television programmes in the Arts, Humanities and Sciences, using the broadcasting facilities of the CBC and private television stations. Television series have included courses in Psychology, French Literature, Physics, Beginning Russian (for credit), Psychiatry, and Architecture. Further television courses are being planned for presentation in 1965-66.

*For information on all courses, telephone 928-2393.*

The University of Toronto issues the following calendars and other publications concerning courses of instruction given by the University, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty, School or Institute about which information is sought.

## CALENDARS AND OTHER PUBLICATIONS ISSUED BY THE UNIVERSITY OF TORONTO

ADMISSION INFORMATION—	Admission Awards
	Admission Circular
APPLIED SCIENCE AND	Faculty of Applied Science and Engineering
ENGINEERING—	Diploma Course in Operations Research
ARCHITECTURE—	School of Architecture
ARTS AND SCIENCE—	Faculty of Arts and Science
	Courses and Subjects in Arts and Science
	Diploma Course in Computing and Data Processing
BUSINESS—	School of Business—Graduate Programme in Business Administration
	Winter Evening Seminars
CHILD STUDY—	Institute of Child Study
DENTISTRY—	Faculty of Dentistry
	Courses for Graduates in Dentistry
	Dental Hygiene
EDUCATION—	Ontario College of Education
	Graduate Degrees in Education
EXTENSION—	General Course (Extension)
	General Course in Science (Extension)
	Bachelor of Science in Nursing (Extension)
	Evening Course in Business (Leading to a Certificate)
	Evening Tutorial Class
	Business and Industry Courses
	Correspondence Courses
FOOD SCIENCES—	Faculty of Food Sciences
FORESTRY—	Faculty of Forestry
GRADUATE STUDIES—	School of Graduate Studies
HYGIENE—	School of Hygiene
LAW—	Faculty of Law
LIBRARIANSHIP—	Library School
MEDICINE—	Faculty of Medicine
	Division of Rehabilitation Medicine
	Division of Postgraduate Medical Education
MUSIC—	Faculty of Music
	The Royal Conservatory of Music
	School of Music Year Book
	General Syllabus
	Pianoforte and Theory Syllabus
NURSING—	School of Nursing
PHARMACY—	Faculty of Pharmacy
PHYSICAL AND HEALTH	
EDUCATION—	School of Physical and Health Education
SOCIAL WORK—	School of Social Work

Enquiries about the following institutions in the University of Toronto should be addressed as follows:

York University—The Registrar, 2275 Bayview Avenue, Toronto 12.

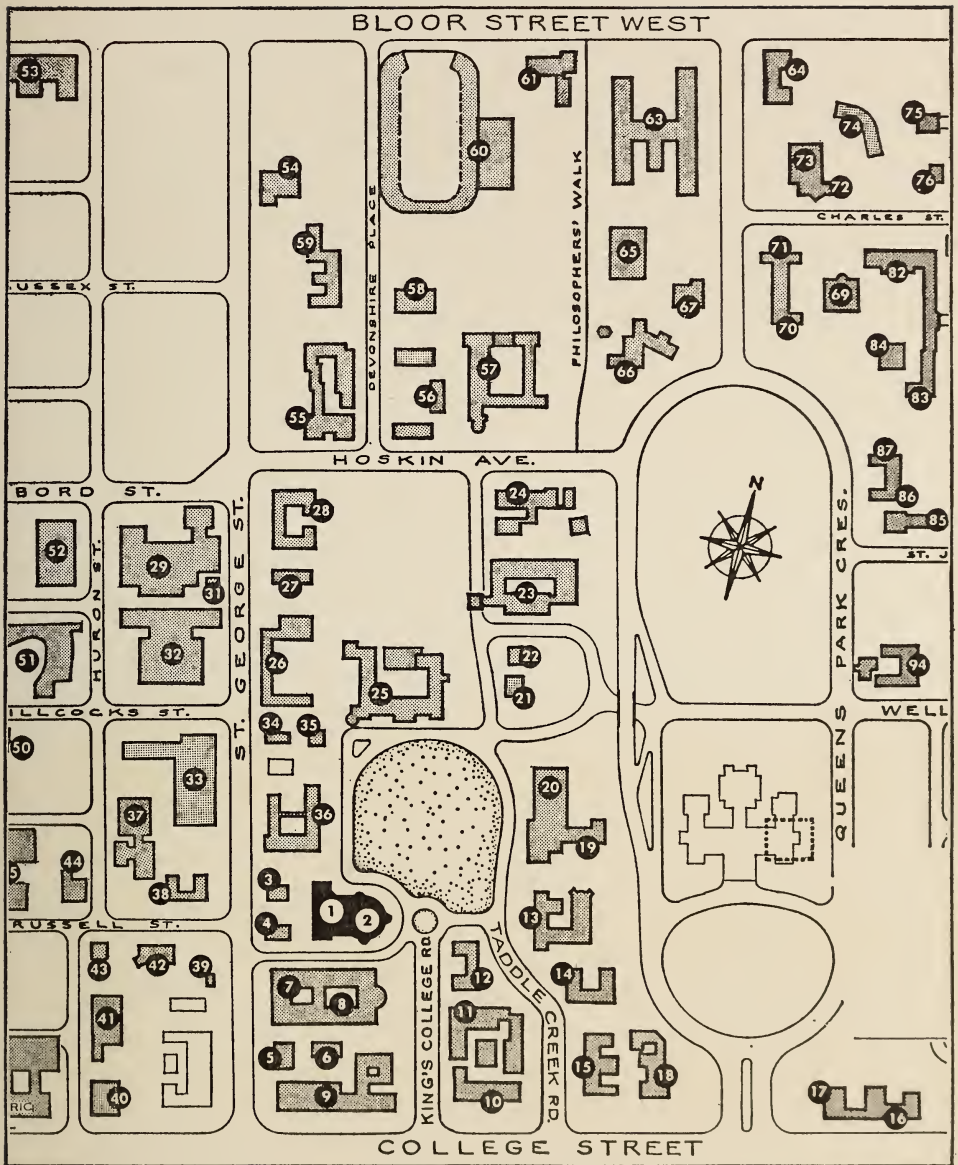
Massey College—The Master, Massey College, University of Toronto, Toronto 5.







# ST. GEORGE CAMPUS



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|--------------------------------------|--------------------------------|
| 67. Division of University Extension | 29. Ramsay Wright Laboratories |
| 1. Simcoe Hall                       | 32. Sidney Smith Hall          |
| 2. Convocation Hall                  | 33. Lash Miller Building       |
| 7. Galbraith Building                | 35. Book Store                 |
| 8. McLennan Laboratory               | 51. New College                |
| 9. Wallberg Building                 | 52. Benson Building            |
| 10. Mining Building                  | 65. Edward Johnson Building    |
| 23. Hart House                       | 86. Teefy Hall                 |
| 25. University College               | 94. St. Joseph's College       |

JOHN STERBACK

